

## SEQUENCE LISTING

<110> Korea Kumho Petrochemical Co.,Ltd.

Choi, Giltso

Johnson, Eric

Yi, Hankuil

Shin, Byongchul

<120> Genetic Sequences Encoding Substrate-Specific Dihydroflavan  
ol 4-Reductase and Uses Therefor

<130> 4469-111 US

<140> 09/638,715

<141> 2000-08-14

<160> 35

<170> PatentIn version 3.0

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<212> DNA

<213> Gerbera sp.

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<301> Helariutta, Y., Kotilainen, M., Elomaa, P. and Teeri, T. H.

<302> Gerbera hybrida (Asteraceae) imposes regulation at several  
anatomical levels during inflorescence development on the gene for  
dihydroflavanol-4-reductase

<303> Plant Mol. Biol. 28(5), 935-41

<304> 28

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<306> 935-941

<307> 1995-\_\_-\_\_

<308> Z17221

<309> 1995-11-23

<313> (31)..(1131)

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Asp Leu Thr Gln Glu Gly Ser Phe Asp Glu Ala Ile Gln Gly Cys His
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Gly Val Phe His Leu Ala Thr Pro Met Asp Phe Glu Ser Lys Asp Pro
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&lt;309&gt; 1995-11-23

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Arg Glu Lys Gly Leu Leu Pro Tyr Ser Thr Ile Lys Asn His Ile Asn  
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35 40 45

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Ser	Asp	Met	Asp	Phe	Ile	Asn	Ser	Lys	Lys	Met	Thr	Gly	Trp	Met	Tyr
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&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Petunia sp.

&lt;400&gt; 16

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&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Callistephus sp.

&lt;400&gt; 17

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Ser	Asp	Leu	Asp	Phe	Ile	Tyr	Ser	Lys	Lys	Met	Thr	Ala	Trp	Met	Tyr
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 Ser Asp Leu Glu Phe Ile Met Ser Lys Lys Met Thr Gly Trp Met Tyr  
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                     20                      25                      30  
 Ser Asp Leu Asp Phe Ile Asn Ser Thr Lys Met Thr Gly Trp Met Tyr  
                     35                      40                      45  
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                     20                      25                      30  
 Ser Asp Leu Asp Phe Ile Tyr Ala Lys Lys Met Thr Gly Trp Met Tyr  
                     35                      40                      45  
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Val Ser Lys Thr Leu Ala Glu Gln Ala Ala Trp  
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<213> Fragaria sp.

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20 25 30

Ser Asp Val Val Phe Cys Arg Lys Val Lys Met Thr Gly Trp Met Tyr  
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<210> 35

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<213> Petunia x hybrida

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aataaataga tgatcttctt ctcacaatac acaacacaaa ttccacaatg tagtcttagg  
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